

Title (en)
PRODUCTION METHOD FOR 1 AMINO CYCLOPROPANE CARBOXYLIC ACID NONHYDRATE

Title (de)
HERSTELLUNGSVERFAHREN FÜR 1-AMINO-CYCLOPROPAN-CARBONSÄURE-NONHYDRAT

Title (fr)
PROCÉDÉ DE FABRICATION D'UN ANHYDRATE D'ACIDE 1-AMINOCYCLOPROPANE CARBOXYLIQUE

Publication
EP 3623360 A4 20210303 (EN)

Application
EP 18798285 A 20180502

Priority
• JP 2017092615 A 20170508
• JP 2018017482 W 20180502

Abstract (en)
[origin: EP3623360A1] 1-Aminocyclopropanecarboxylic acid non-hydrate can be obtained bytreating 1-aminocyclopropanecarboxylic acid hydrochloride with a tertiary amine in the presence of a C₃-C₄alcohol and water, keeping the reaction mixture at 50°C or below,collecting the precipitated crystal of 1-aminocyclopropanecarboxylic acid 0.5 hydrate by filtration, and contacting the obtained crystal with a C₁-C₂alcohol.

IPC 8 full level
C07C 227/40 (2006.01); **C07C 227/16** (2006.01); **C07C 227/18** (2006.01); **C07C 229/48** (2006.01)

CPC (source: EP IL KR US)
C07C 227/16 (2013.01 - EP IL KR); **C07C 227/18** (2013.01 - EP IL US); **C07C 227/40** (2013.01 - EP IL); **C07C 227/42** (2013.01 - IL KR US); **C07C 229/48** (2013.01 - IL KR); **C07B 2200/13** (2013.01 - IL US); **C07C 2601/02** (2017.04 - EP IL)

Citation (search report)
• [AD] US 4367344 A 19830104 - GALLENKAMP BERND [DE]
• [A] G. VALLE, ET AL.: "Crystallographic characterisation of conformation of 1-aminocyclopropane-1-carboxylic acid residue (Ac3c) in simple derivatives and peptides", INTERNATIONAL JOURNAL OF PEPTIDE AND PROTEIN RESEARCH, vol. 34, no. 1, July 1989 (1989-07-01), John Wiley & Sons, New York, NY, US, pages 56 - 65, XP055766635, ISSN: 0367-8377, DOI: 10.1111/j.1399-3011.1989.tb01009.x
• See references of WO 2018207694A1

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US11828232B2; US11970975B2; US12006871B2

Designated contracting state (EPC)
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DOCDB simple family (publication)
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